ENDF/B-VII SN-117
resonance total cross section

Cross section (barns)

Energy (MeV)

- Total
ENDF/B-VII SN-117
resonance total cross section
ENDF/B-VII SN-117
resonance total cross section
ENDF/B-VII SN-117
resonance total cross section
ENDF/B-VII SN-117
resonance total cross section

Cross section (barns)

Energy (MeV)
ENDF/B-VII SN-117
resonance absorption cross sections

Energy (MeV)

Cross section (barns)
ENDF/B-VII SN-117
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII SN-117 resonance absorption cross sections

Energy (MeV) vs. Cross section (barns) graph.

- Capture peak labeled on the graph.

The graph shows the variation of cross sections with energy, highlighting the resonance absorption characteristics of SN-117.
ENDF/B-VII SN-117
resonance absorption cross sections

Capture
ENDF/B-VII SN-117
resonance absorption cross sections

Energy (MeV)

Cross section (barns)

capture
ENDF/B-VII SN-117
UR total cross section

Energy (MeV)

Cross section (barns)
ENDF/B-VII SN-117
UR elastic cross section
ENDF/B-VII SN-117
UR capture cross section

Cross section (barns) vs. Energy (MeV)

Inf. Dil. 100 b
ENDF/B-VII SN-117
Non-threshold reactions

Energy (MeV)

Cross section (barns)

(\text{n,\text{gma}})
ENDF/B-VII SN-117
Principal cross sections
ENDF/B-VII SN-117
Non-threshold reactions

Cross section (barns) vs. Energy (MeV)

The graph shows the cross section for the reaction (n,gma) as a function of energy in MeV. The cross section decreases with increasing energy, approaching a constant value at higher energies.
ENDF/B-VII SN-117
Inelastic levels

Cross section (barns)

Energy (MeV)
ENDF/B-VII SN-117
Threshold reactions

Energy (MeV)

Cross section (barns)

(n,n^*)
(n,p)
(n,d)
(n,t)
(n,a)
ENDF/B-VII SN-117
angular distribution for elastic
ENDF/B-VII SN-117
angular distribution for (n,3n)
ENDF/B-VII SN-117
angular distribution for (n,n*)a
ENDF/B-VII SN-117 angular distribution for (n,n*)p
ENDF/B-VII SN-117
angular distribution for (n,n*)d

Energy (MeV)

Cosine

Prob/Cos
ENDF/B-VII SN-117 angular distribution for (n,n*1)
ENDF/B-VII SN-117
angular distribution for (n,n*2)
ENDF/B-VII SN-117
angular distribution for \((n,n^*3)\)
ENDF/B-VII SN-117
angular distribution for (n,n*4)
ENDF/B-VII SN-117
angular distribution for (n,n*5)
ENDF/B-VII SN-117 angular distribution for (n,n*6)
ENDF/B-VII SN-117 angular distribution for (n,n*7)
ENDF/B-VII SN-117
angular distribution for (n,n*8)
ENDF/B-VII SN-117

angular distribution for (n,n^9)

Energy (MeV)

0  2  4  6  8  10  12  14  16  18  20

Cosine

Prob/Cos

1.0  0.5  0.0  -0.5  -1.0

Prob/Cos

1.0  0.5  0.0  -0.5  -1.0
ENDF/B-VII SN-117
angular distribution for \((n,n^*10)\)
ENDF/B-VII SN-117
angular distribution for (n,n*11)
ENDF/B-VII SN-117
angular distribution for (n,n*c)
ENDF/B-VII SN-117
Neutron emission for (n,2n)
ENDF/B-VII SN-117
Neutron emission for (n,3n)
ENDF/B-VII SN-117
Neutron emission for (n,n*)p
ENDF/B-VII SN-117
Neutron emission for (n,n*)d
ENDF/B-VII SN-117
Neutron emission for (n,n*c)